

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100518\
 Data File : BF109624.D
 Acq On : 5 Oct 2018 22:28
 Operator : JU/SJ
 Sample : J5263-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID14-COMP-100318

Quant Time: Oct 06 05:57:37 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

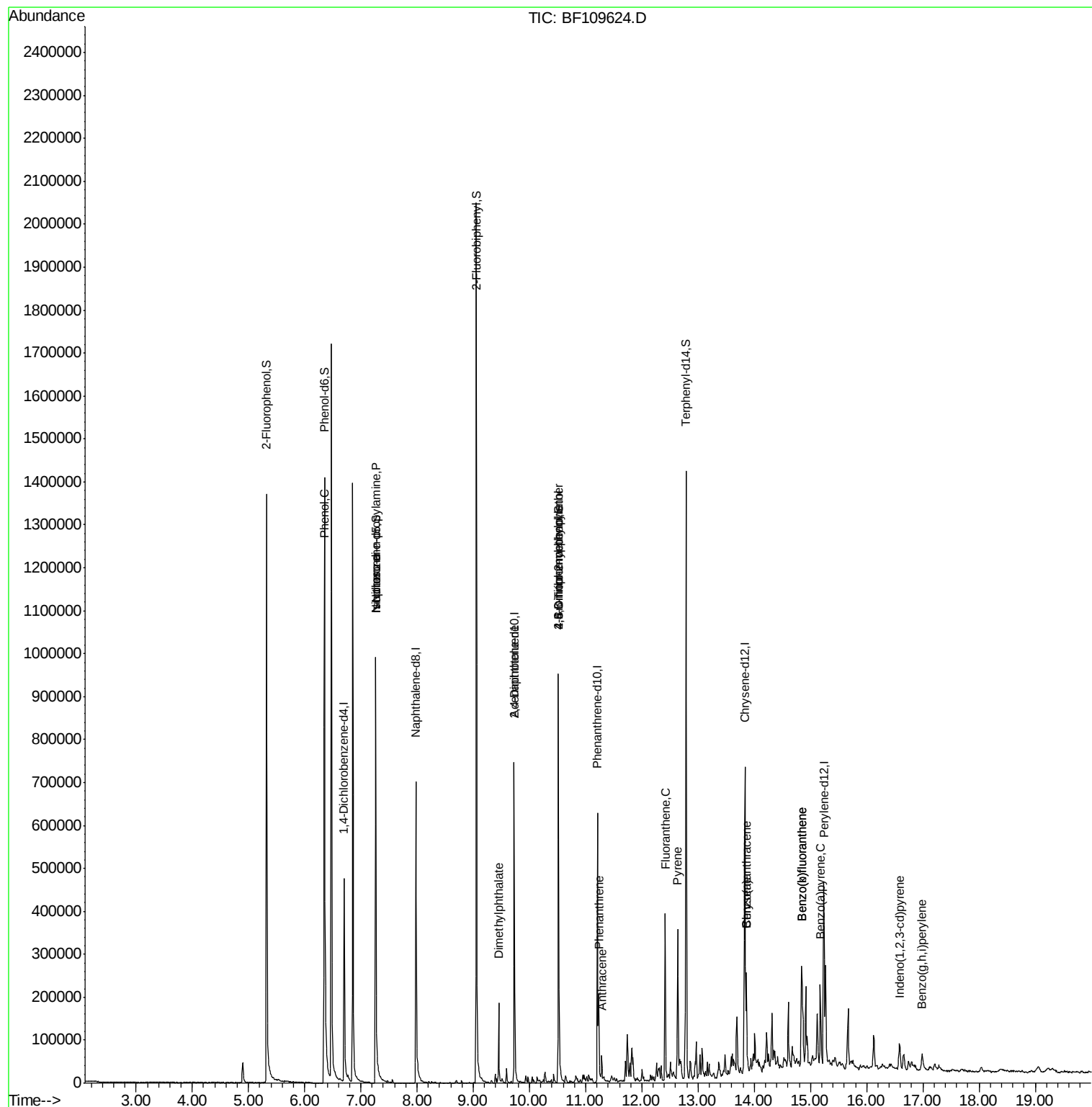
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	94255	20.00	ng	-0.01
21) Naphthalene-d8	7.98	136	371204	20.00	ng	-0.01
38) Acenaphthene-d10	9.73	164	161786	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	252079	20.00	ng	0.00
75) Chrysene-d12	13.83	240	210424	20.00	ng	-0.01
86) Perylene-d12	15.24	264	206022	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	443560	77.51	ng	0.00
7) Phenol-d6	6.35	99	620804	85.02	ng	0.00
23) Nitrobenzene-d5	7.26	82	398086	63.31	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	125403	78.63	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	650894	60.68	ng	-0.02
78) Terphenyl-d14	12.79	244	459069	53.54	ng	-0.02
Target Compounds						
10) Phenol	6.36	94	33901	4.100	ng	Qvalue # 74
19) n-Nitroso-di-n-propylamine	7.26	70	52545	10.982	ng	# 77
25) Isophorone	7.26	82	381232	33.667	ng	# 64
49) Dimethylphthalate	9.45	163	80172	6.813	ng	# 99
56) 2,4-Dinitrotoluene	9.73	165	20616	6.991	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.52	198	156	6.653	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	7287	2.603	ng	# 1
70) Phenanthrene	11.23	178	87635	6.963	ng	97
71) Anthracene	11.29	178	38463	3.013	ng	99
74) Fluoranthene	12.42	202	169034	12.567	ng	95
77) Pyrene	12.64	202	146073	9.686	ng	98
80) Benzo(a)anthracene	13.86	228	90962	7.177	ng	95
82) Chrysene	13.86	228	90962	7.241	ng	96
85) Indeno(1,2,3-cd)pyrene	16.58	276	41666	4.092	ng	# 93
87) Benzo(b)fluoranthene	14.84	252	171528	15.152	ng	97
88) Benzo(k)fluoranthene	14.84	252	171528	15.967	ng	97
89) Benzo(a)pyrene	15.17	252	93343	9.150	ng	96
91) Benzo(g,h,i)perylene	16.99	276	37044	4.504	ng	# 93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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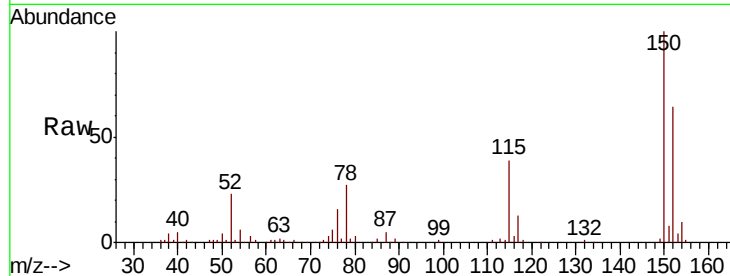


#1

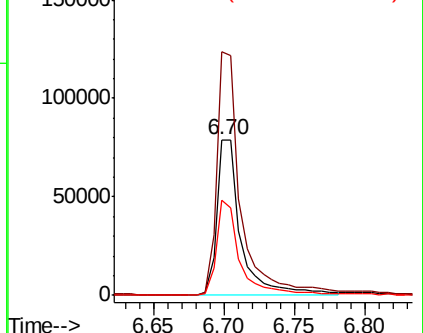
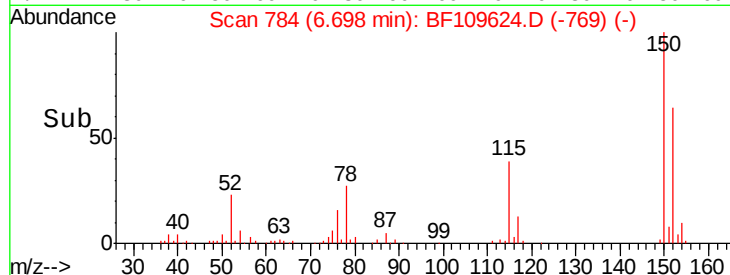
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 784
 Delta R.T. -0.01 min
 Lab File: BF109624.D
 Acq: 5 Oct 2018 22:28

Instrument :
 BNA_F
 ClientSampleId :
 GRID14-COMP-100318

Tgt Ion:152 Resp: 94255
 Ion Ratio Lower Upper
 152 100
 150 156.6 124.6 186.8
 115 61.4 50.1 75.1



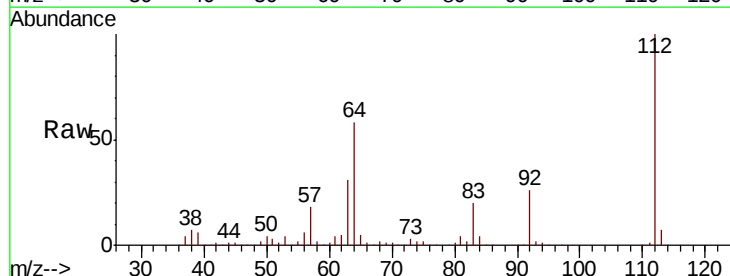
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



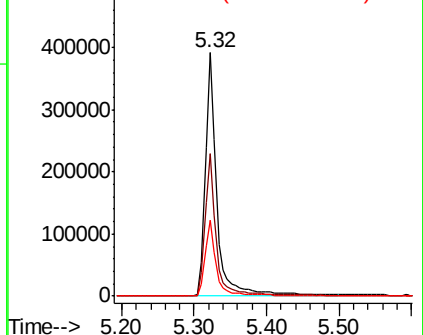
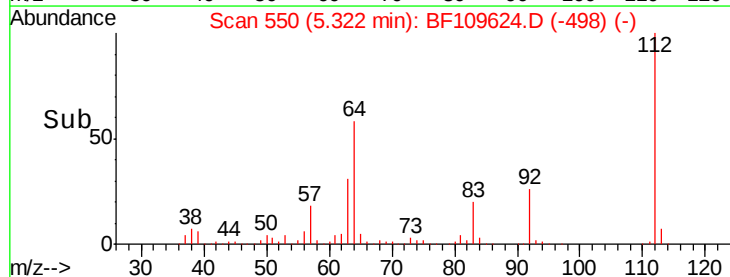
#5

2-Fluorophenol
 Concen: 77.511 ng
 RT: 5.32 min Scan# 550
 Delta R.T. 0.01 min
 Lab File: BF109624.D
 Acq: 5 Oct 2018 22:28

Tgt Ion:112 Resp: 443560
 Ion Ratio Lower Upper
 112 100
 64 58.3 47.9 71.9
 63 31.1 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 85.016 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF109624.D

Acq: 5 Oct 2018 22:28

Instrument :

BNA_F

ClientSampleId :

GRID14-COMP-100318

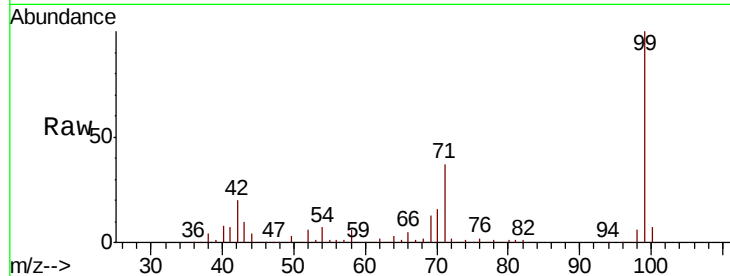
Tgt Ion: 99 Resp: 620804

Ion Ratio Lower Upper

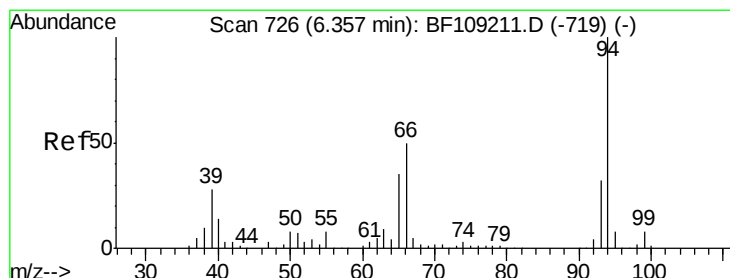
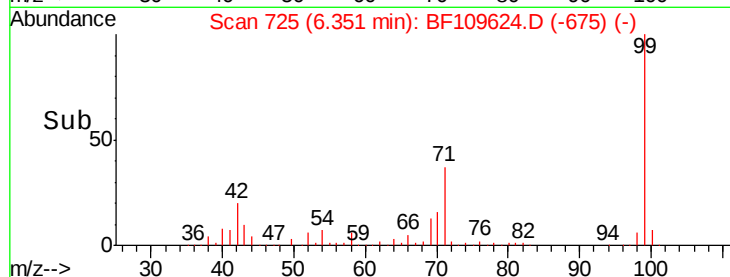
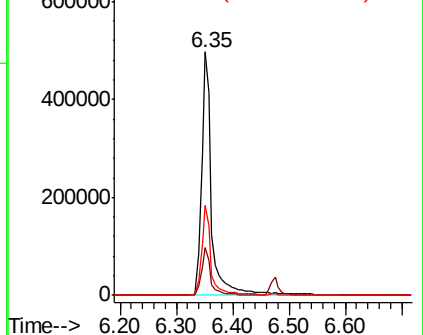
99 100

42 19.7 14.5 21.7

71 36.8 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.100 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF109624.D

Acq: 5 Oct 2018 22:28

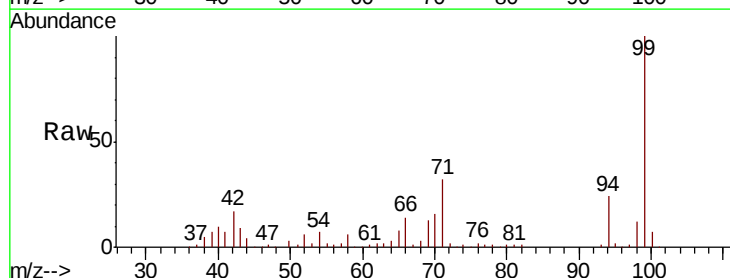
Tgt Ion: 94 Resp: 33901

Ion Ratio Lower Upper

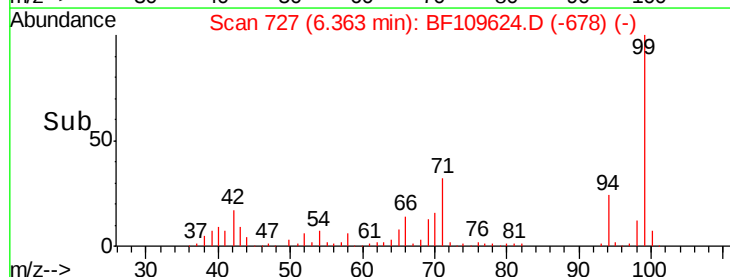
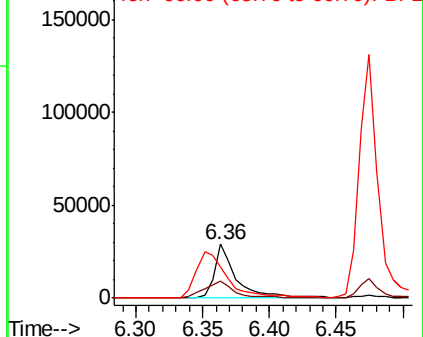
94 100

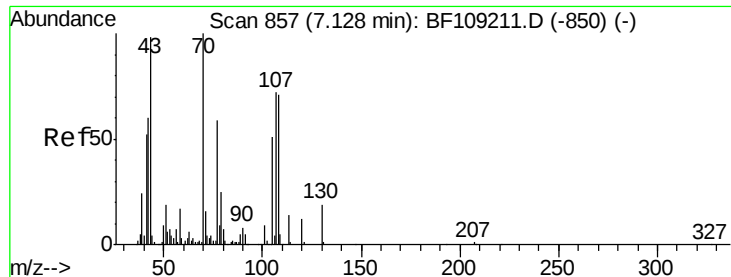
65 32.8 7.9 47.9

66 58.7 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

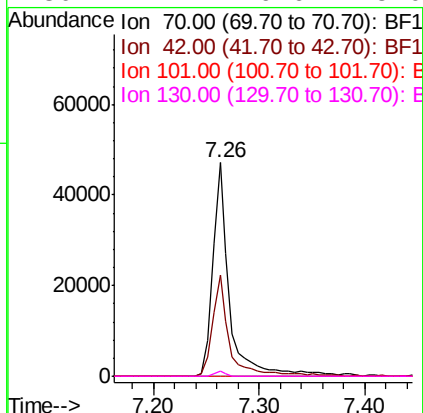
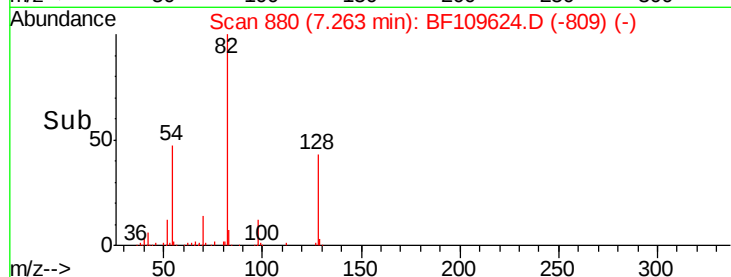
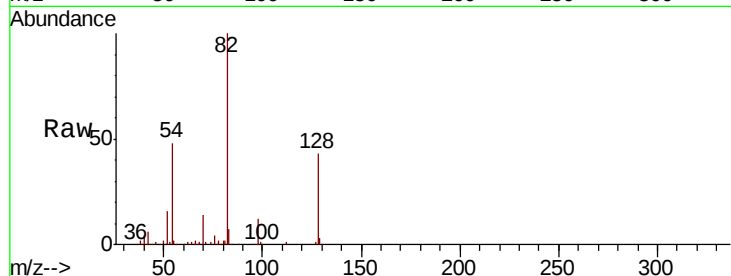




#19
n-Nitroso-di-n-propylamine
Concen: 10.982 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.12 min
Lab File: BF109624.D
Acq: 5 Oct 2018 22:28

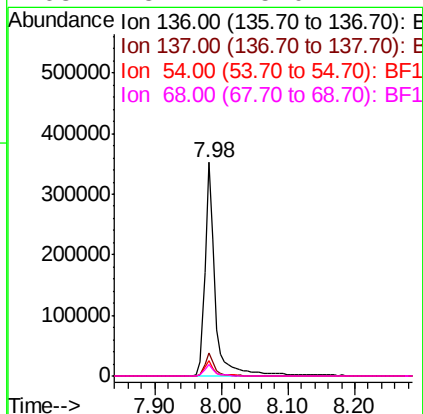
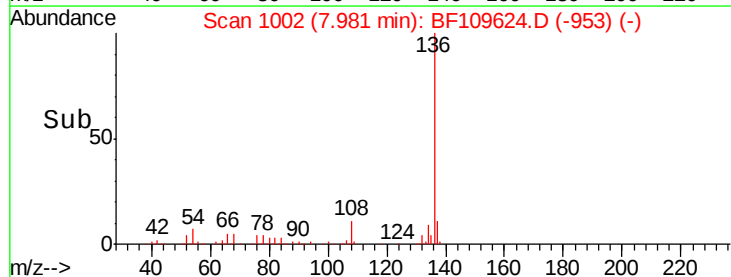
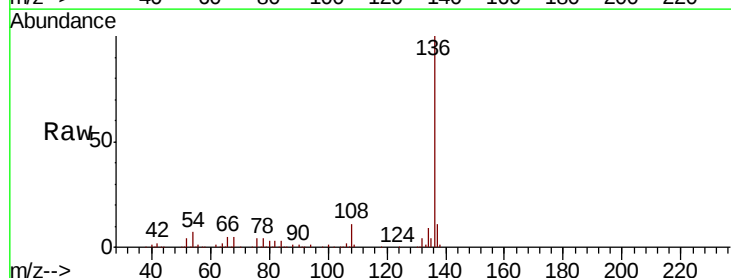
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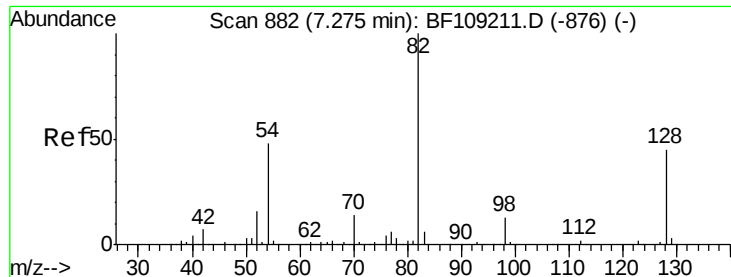
Tgt Ion: 70 Resp: 52545
Ion Ratio Lower Upper
70 100
42 47.2 47.5 71.3#
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF109624.D
Acq: 5 Oct 2018 22:28

Tgt Ion: 136 Resp: 371204
Ion Ratio Lower Upper
136 100
137 10.5 8.9 13.3
54 6.9 6.6 9.8
68 5.4 5.0 7.4

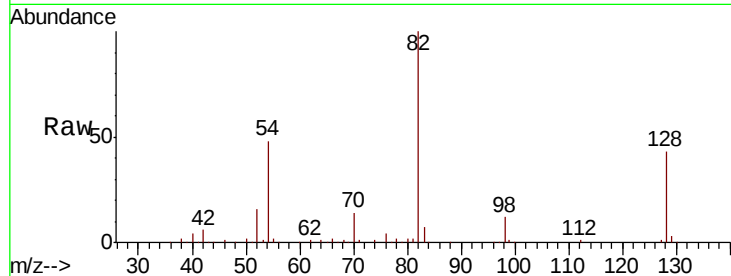




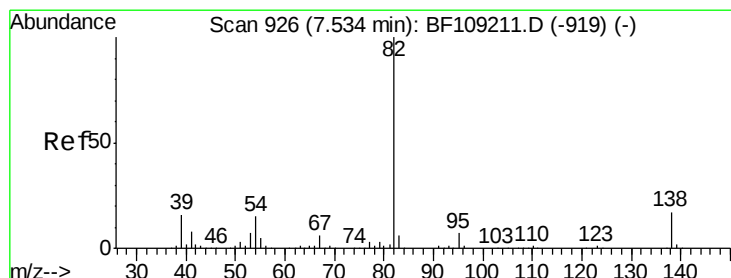
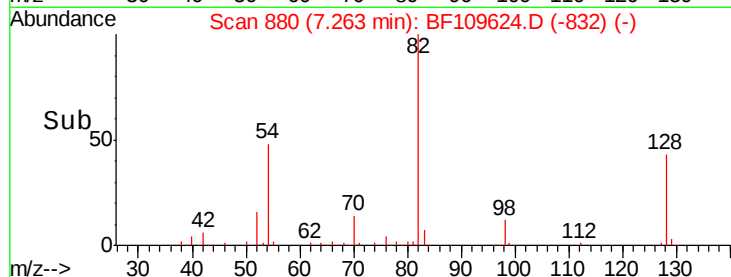
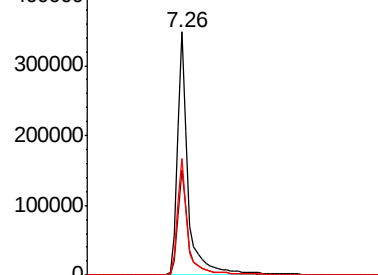
#23
 Nitrobenzene-d5
 Concen: 63.306 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF109624.D
 Acq: 5 Oct 2018 22:28

Instrument :
 BNA_F
 ClientSampleId :
 GRID14-COMP-100318

Tgt Ion: 82 Resp: 398086
 Ion Ratio Lower Upper
 82 100
 128 43.2 36.1 54.1
 54 47.9 41.4 62.2

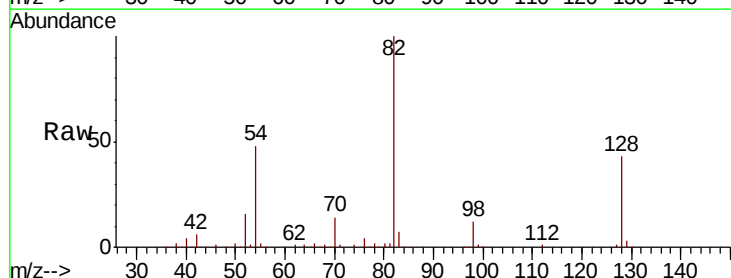


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

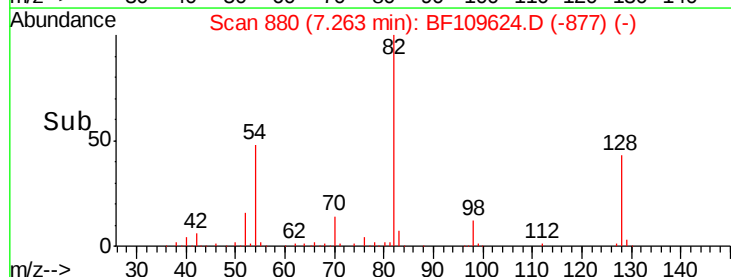
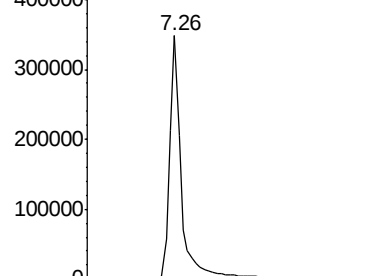


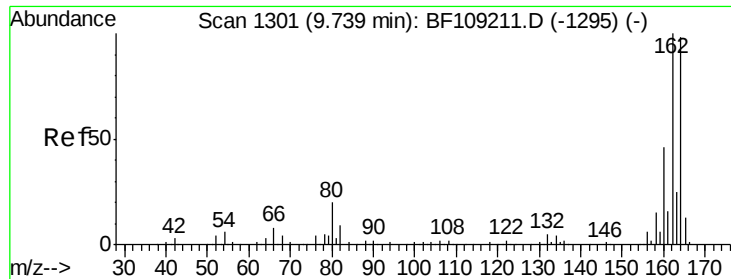
#25
 Isophorone
 Concen: 33.667 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.28 min
 Lab File: BF109624.D
 Acq: 5 Oct 2018 22:28

Tgt Ion: 82 Resp: 381232
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1

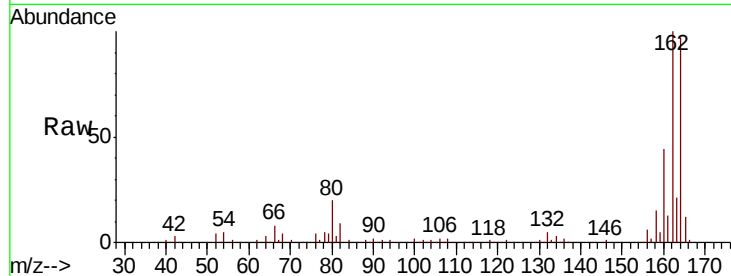




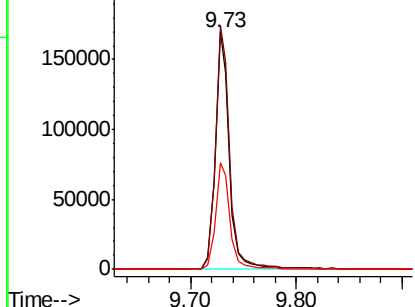
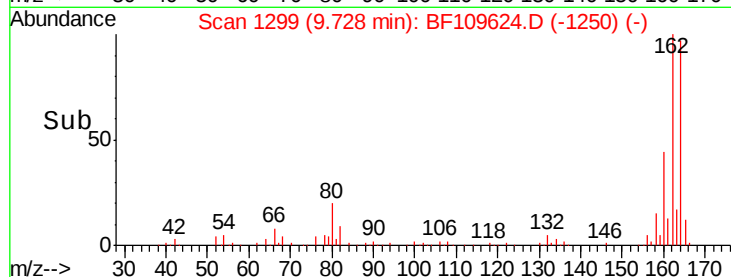
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: BF109624.D
 Acq: 5 Oct 2018 22:28

Instrument :
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Tgt Ion:164 Resp: 161786
 Ion Ratio Lower Upper
 164 100
 162 102.9 86.1 129.1
 160 45.1 38.3 57.5

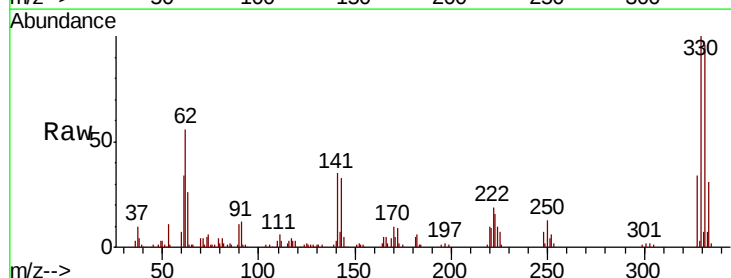


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

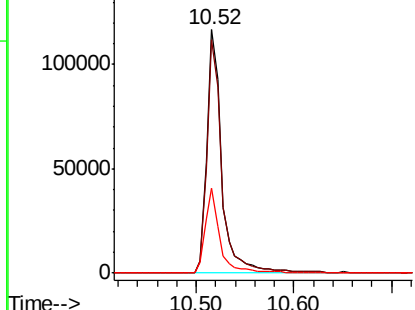
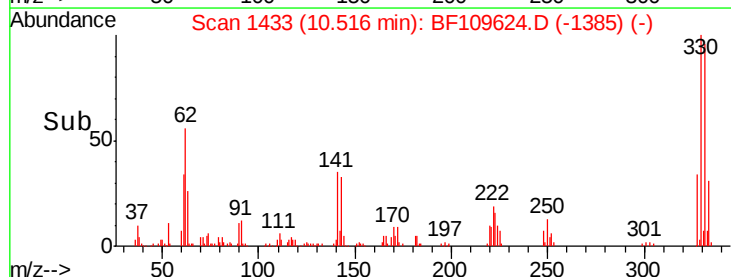


#41
 2,4,6-Tribromophenol
 Concen: 78.629 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF109624.D
 Acq: 5 Oct 2018 22:28

Tgt Ion:330 Resp: 125403
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.0 115.6
 141 33.5 29.9 44.9



Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

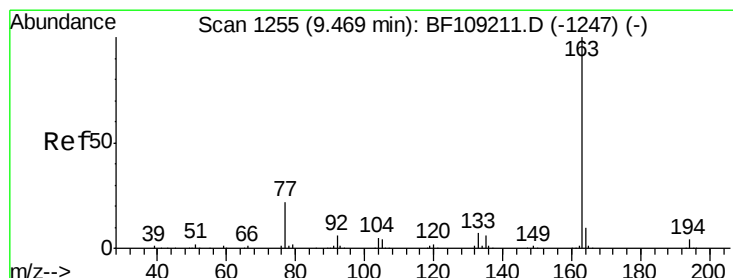
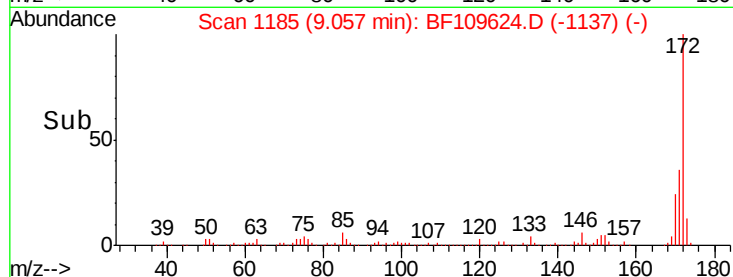
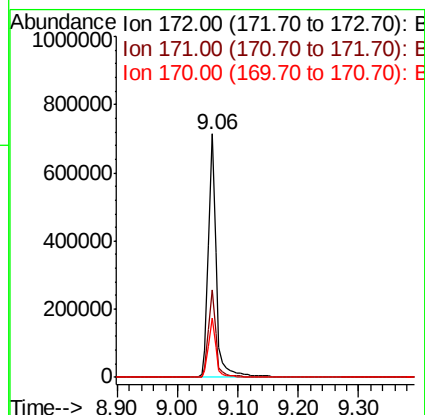
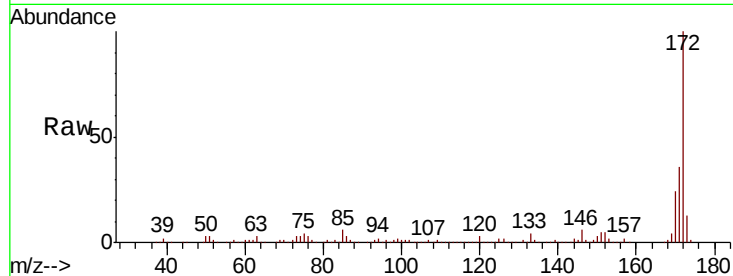




#44
2-Fluorobiphenyl
Concen: 60.677 ng
RT: 9.06 min Scan# 1185
Delta R.T. -0.02 min
Lab File: BF109624.D
Acq: 5 Oct 2018 22:28

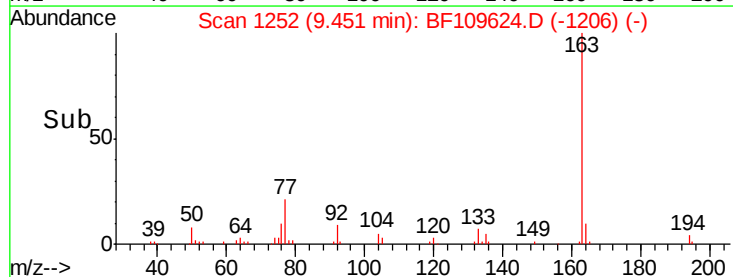
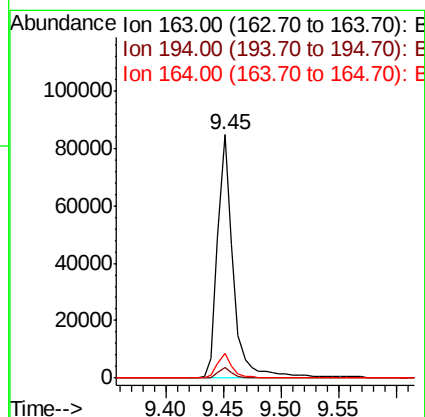
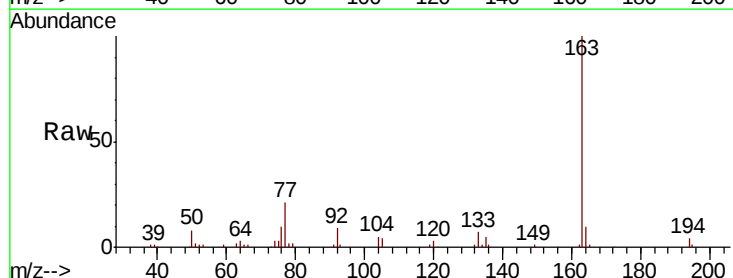
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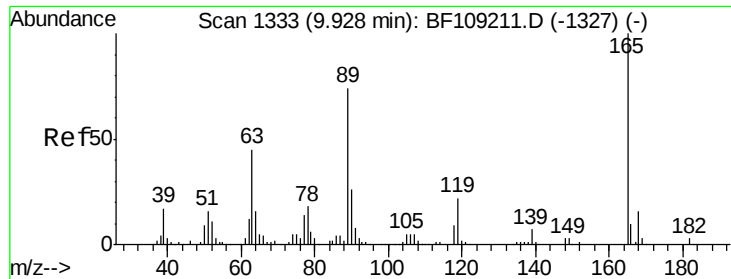
Tgt Ion:172 Resp: 650894
Ion Ratio Lower Upper
172 100
171 35.8 29.7 44.5
170 24.1 19.6 29.4



#49
Dimethylphthalate
Concen: 6.813 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.03 min
Lab File: BF109624.D
Acq: 5 Oct 2018 22:28

Tgt Ion:163 Resp: 80172
Ion Ratio Lower Upper
163 100
194 4.2 2.7 4.1#
164 10.2 8.2 12.2

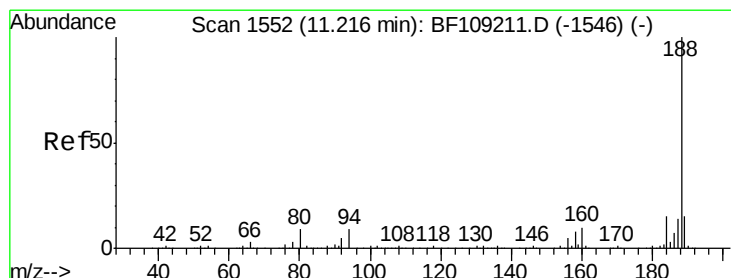
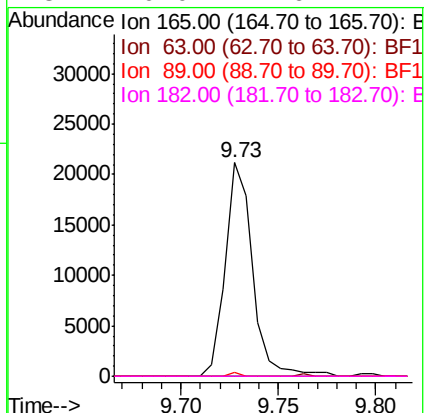
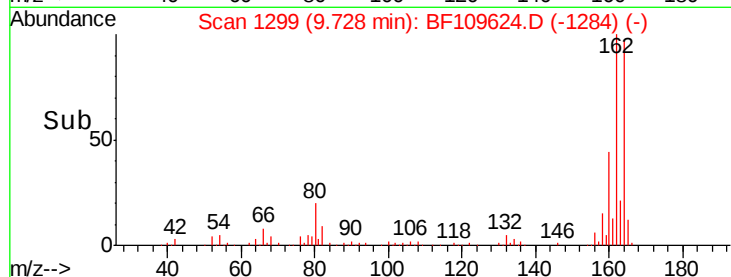
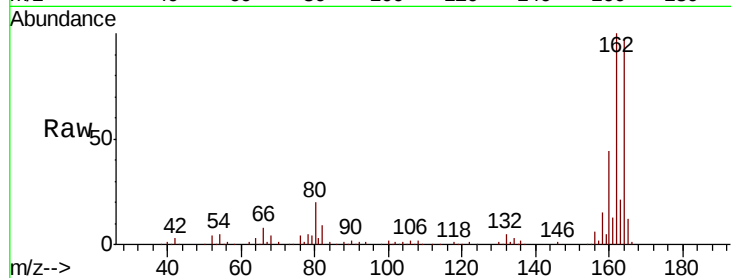




#56
 2,4-Dinitrotoluene
 Concen: 6.991 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.21 min
 Lab File: BF109624.D
 Acq: 5 Oct 2018 22:28

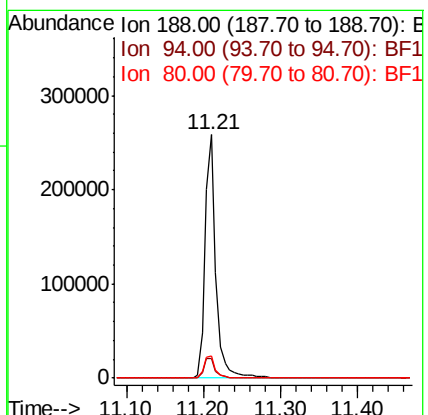
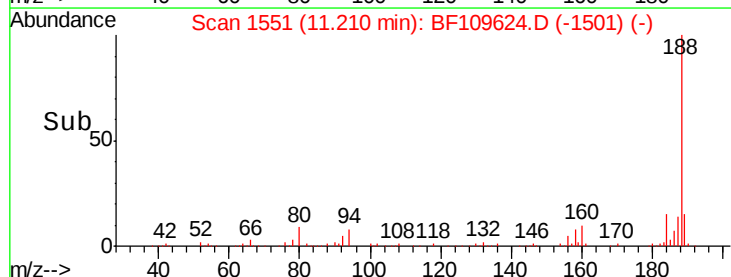
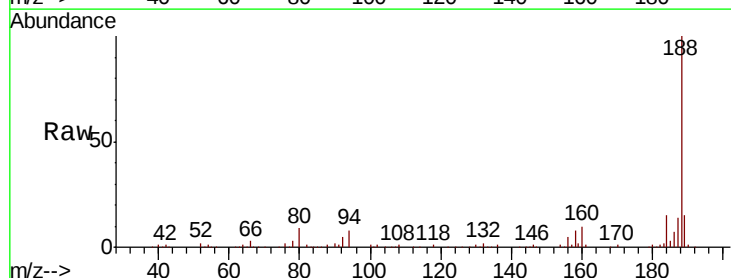
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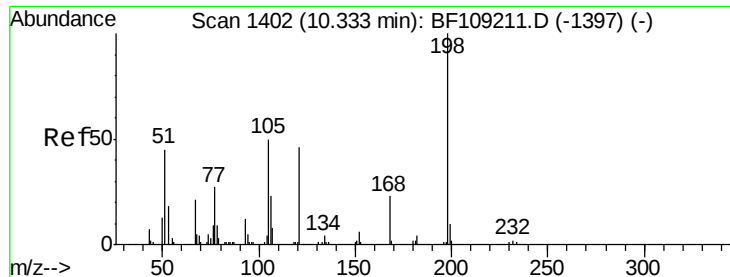
Tgt Ion:	165	Resp:	20616
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF109624.D
 Acq: 5 Oct 2018 22:28

Tgt Ion:	188	Resp:	252079
Ion	Ratio	Lower	Upper
188	100		
94	8.3	8.5	12.7#
80	8.9	9.2	13.8#

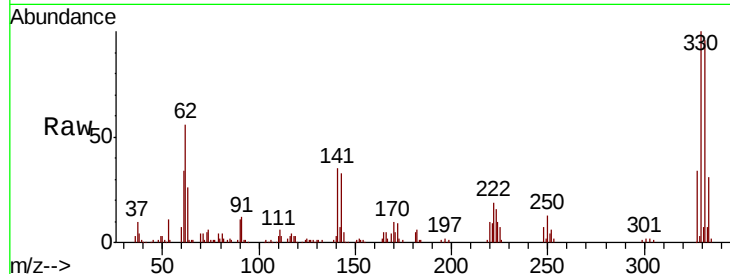




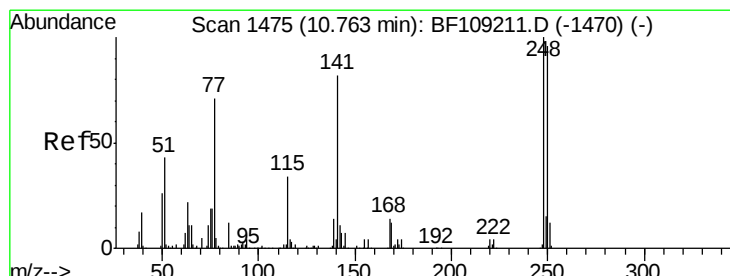
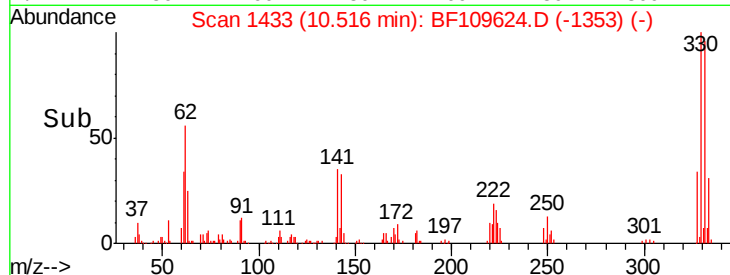
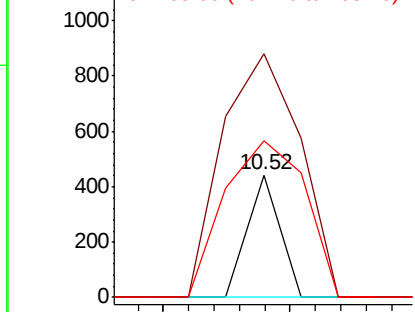
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.653 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. 0.17 min
 Lab File: BF109624.D
 Acq: 5 Oct 2018 22:28

Instrument :
 BNA_F
 ClientSampleId :
 GRID14-COMP-100318

Tgt Ion:198 Resp: 156
 Ion Ratio Lower Upper
 198 100
 51 198.6 37.7 77.7#
 105 127.8 36.3 76.3#

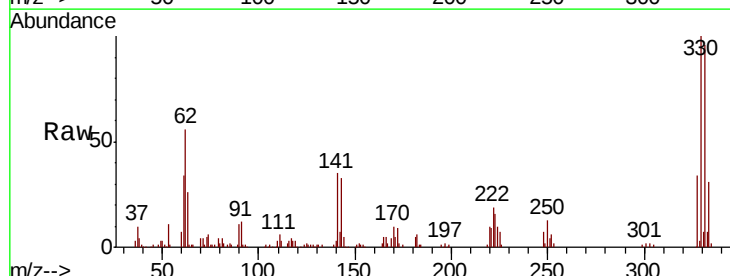


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

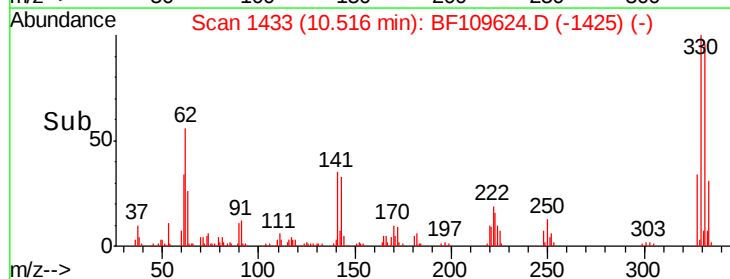
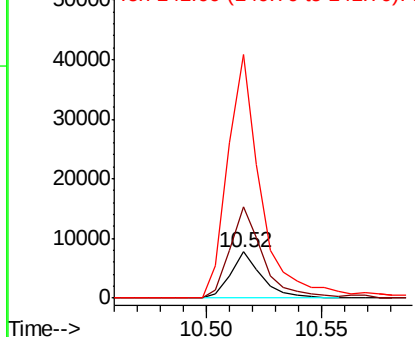


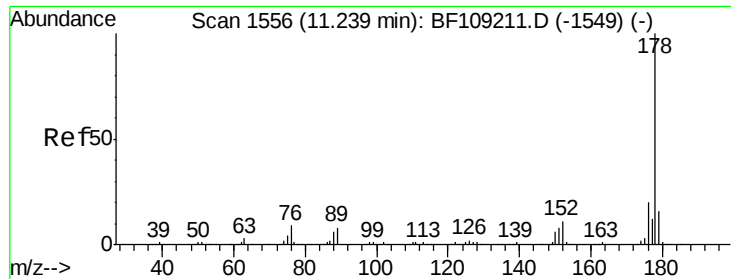
#66
 4-Bromophenyl-phenylether
 Concen: 2.603 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.25 min
 Lab File: BF109624.D
 Acq: 5 Oct 2018 22:28

Tgt Ion:248 Resp: 7287
 Ion Ratio Lower Upper
 248 100
 250 195.9 76.9 115.3#
 141 525.8 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

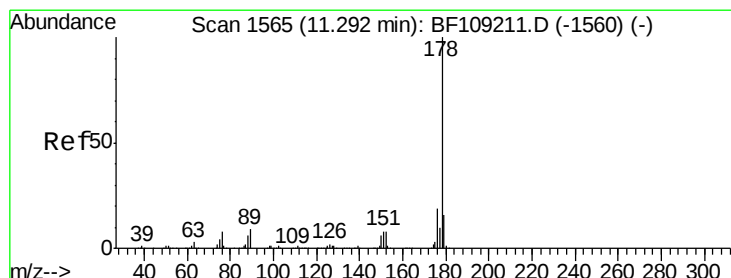
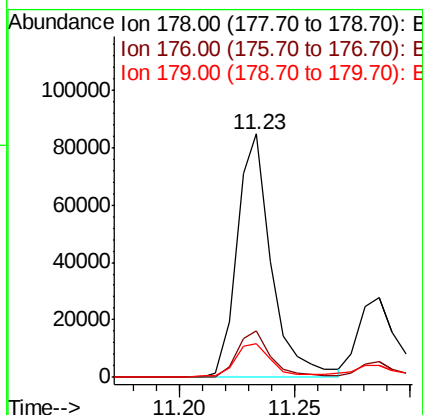
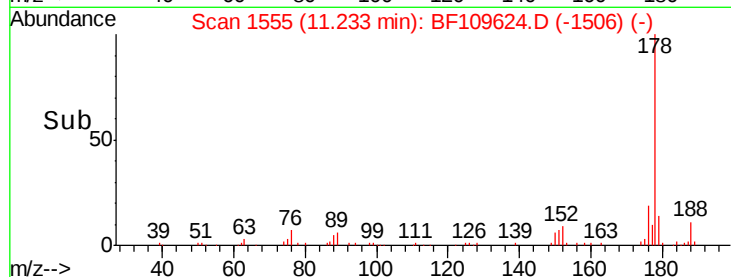
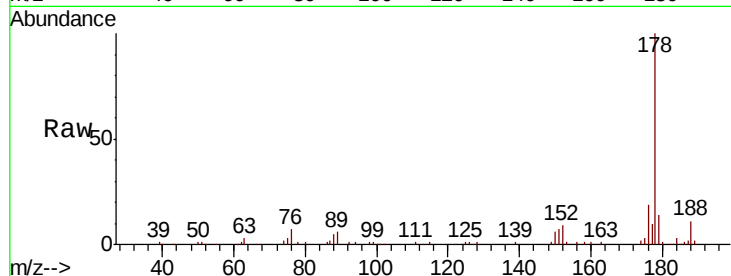




#70
Phenanthrene
Concen: 6.963 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF109624.D
Acq: 5 Oct 2018 22:28

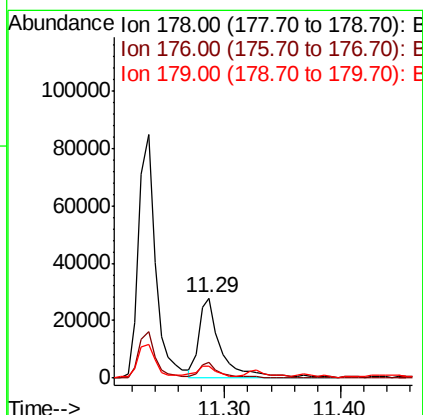
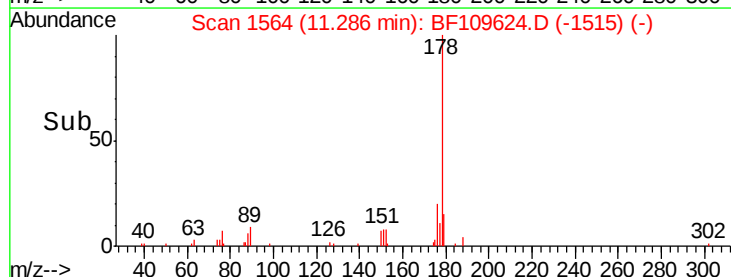
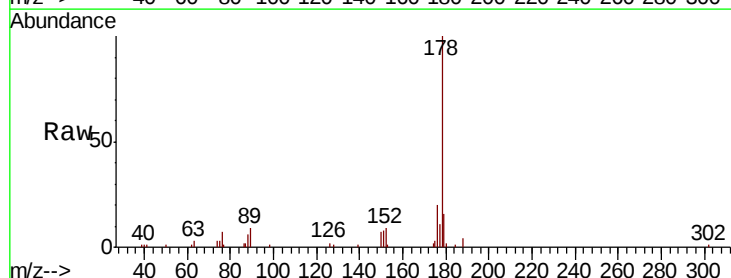
Instrument :
BNA_F
ClientSampleId :
GRID14-COMP-100318

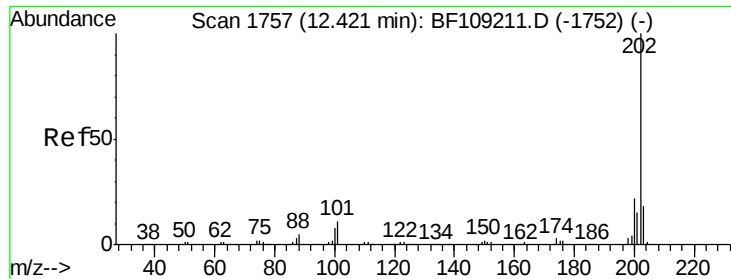
Tgt Ion:178 Resp: 87635
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.8
179 13.7 13.0 19.6



#71
Anthracene
Concen: 3.013 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF109624.D
Acq: 5 Oct 2018 22:28

Tgt Ion:178 Resp: 38463
Ion Ratio Lower Upper
178 100
176 20.0 15.4 23.2
179 15.6 12.6 19.0





#74

Fluoranthene

Concen: 12.567 ng

RT: 12.42 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BF109624.D

Acq: 5 Oct 2018 22:28

Instrument :

BNA_F

ClientSampleId :

GRID14-COMP-100318

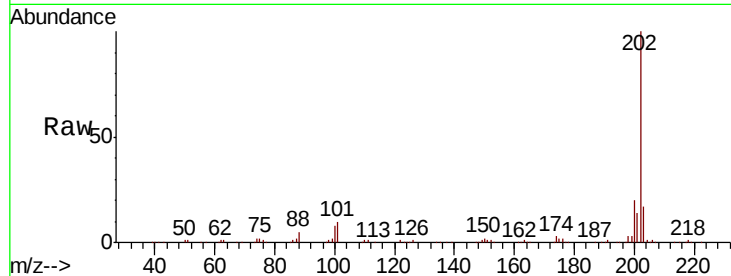
Tgt Ion:202 Resp: 169034

Ion Ratio Lower Upper

202 100

101 10.3 0.0 34.1

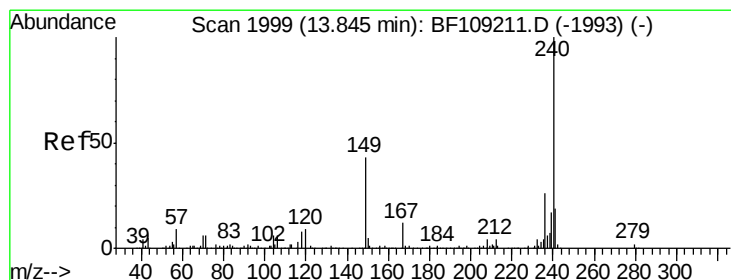
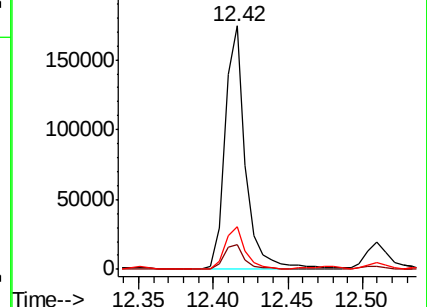
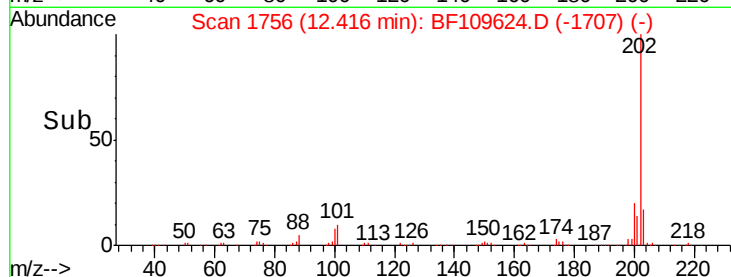
203 17.4 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF109624.D

Acq: 5 Oct 2018 22:28

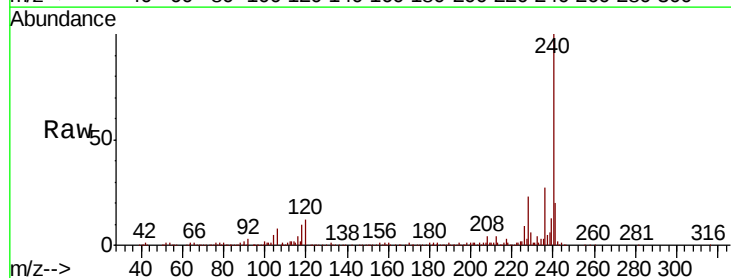
Tgt Ion:240 Resp: 210424

Ion Ratio Lower Upper

240 100

120 12.0 9.5 14.3

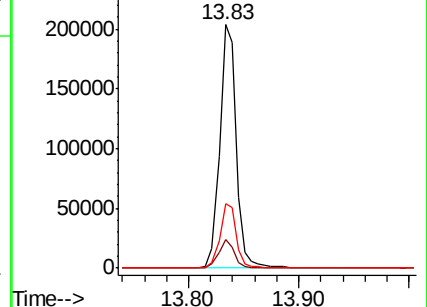
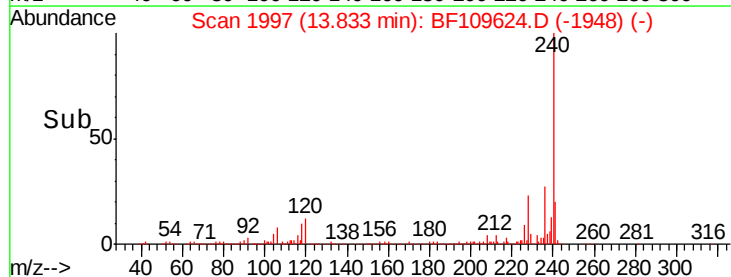
236 26.5 20.7 31.1

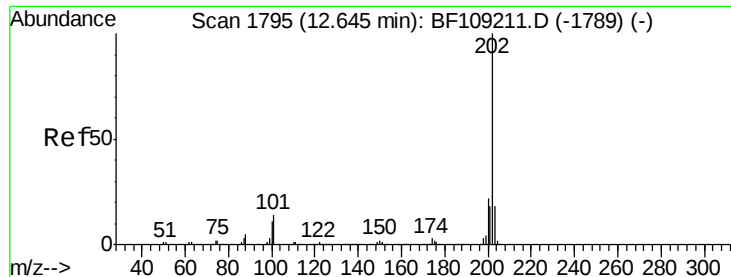


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 9.686 ng

RT: 12.64 min Scan# 1794

Delta R.T. -0.02 min

Lab File: BF109624.D

Acq: 5 Oct 2018 22:28

Instrument :

BNA_F

ClientSampleId :

GRID14-COMP-100318

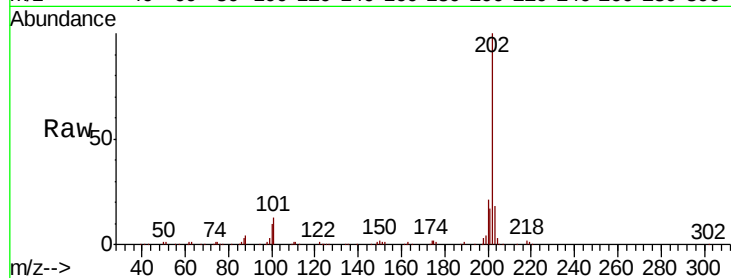
Tgt Ion:202 Resp: 146073

Ion Ratio Lower Upper

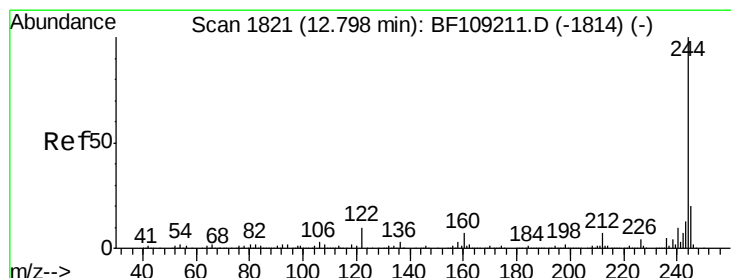
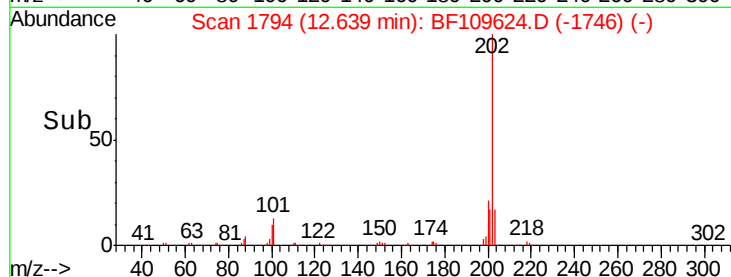
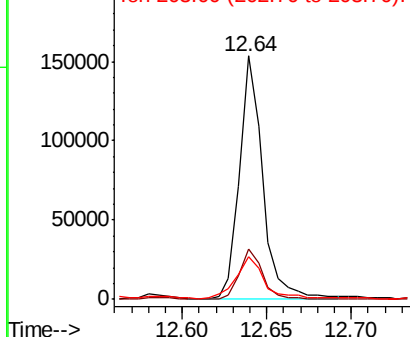
202 100

200 20.8 17.4 26.2

203 17.5 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 53.541 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.02 min

Lab File: BF109624.D

Acq: 5 Oct 2018 22:28

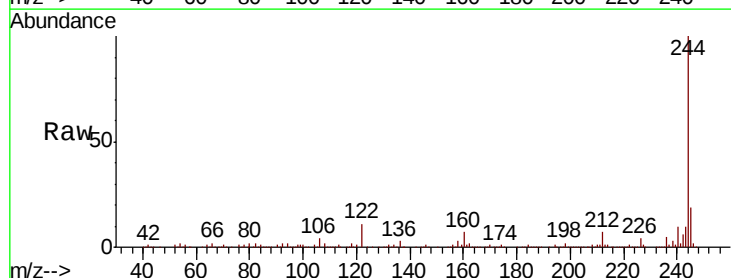
Tgt Ion:244 Resp: 459069

Ion Ratio Lower Upper

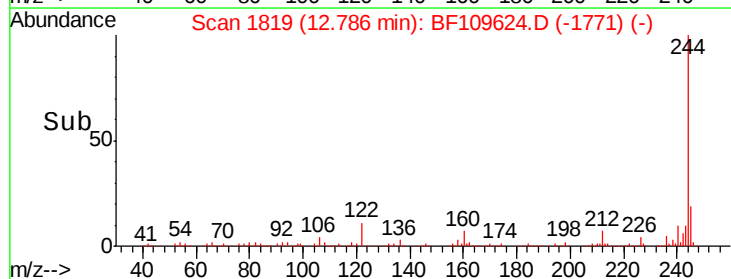
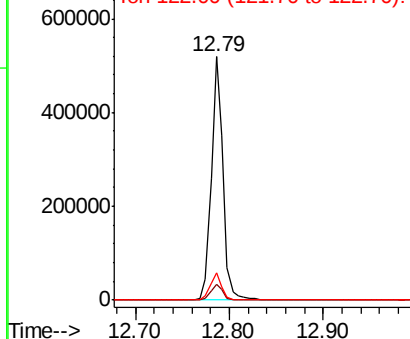
244 100

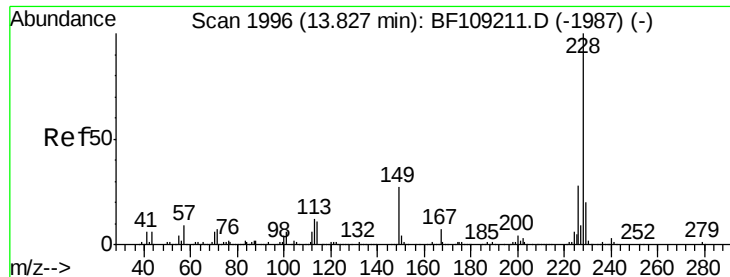
212 6.7 5.4 8.0

122 11.1 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 7.177 ng

RT: 13.86 min Scan# 2001

Delta R.T. 0.02 min

Lab File: BF109624.D

Acq: 5 Oct 2018 22:28

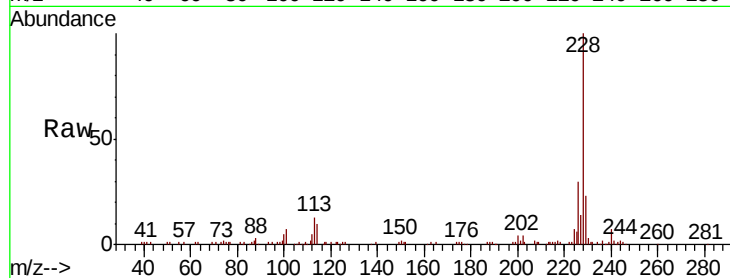
Instrument :

BNA_F

ClientSampleId :

GRID14-COMP-100318

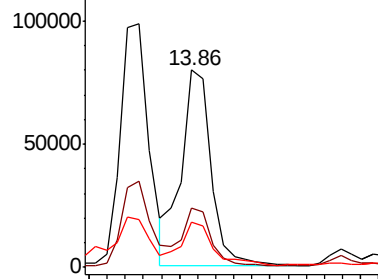
Tgt Ion:	228	Resp:	90962
Ion	Ratio	Lower	Upper
228	100		
226	30.3	22.6	33.8
229	23.1	15.8	23.6



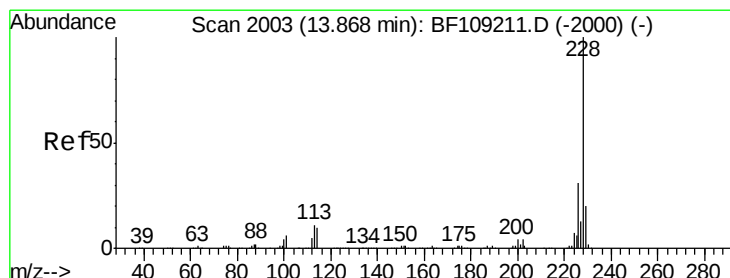
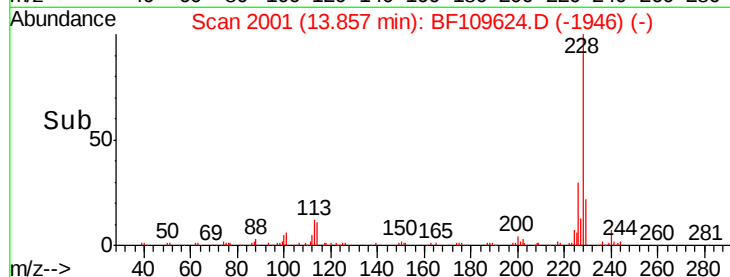
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 13.80 13.85 13.90



#82

Chrysene

Concen: 7.241 ng

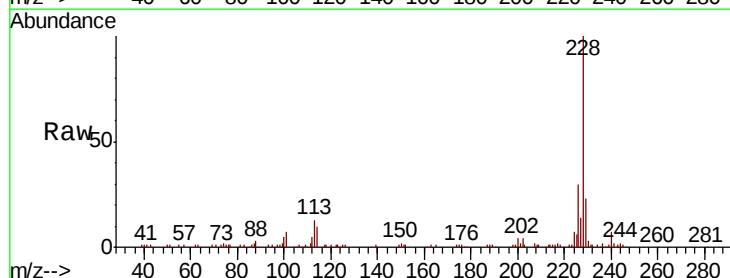
RT: 13.86 min Scan# 2001

Delta R.T. -0.02 min

Lab File: BF109624.D

Acq: 5 Oct 2018 22:28

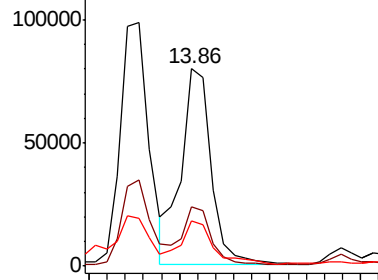
Tgt Ion:	228	Resp:	90962
Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	23.1	16.2	24.4



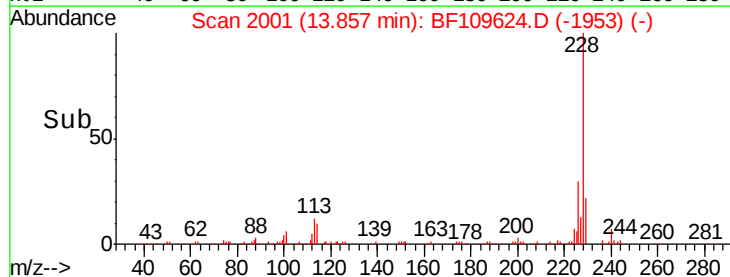
Abundance Ion 228.00 (227.70 to 228.70): E

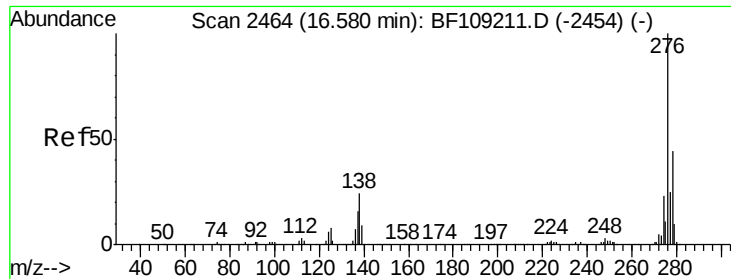
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 13.80 13.85 13.90

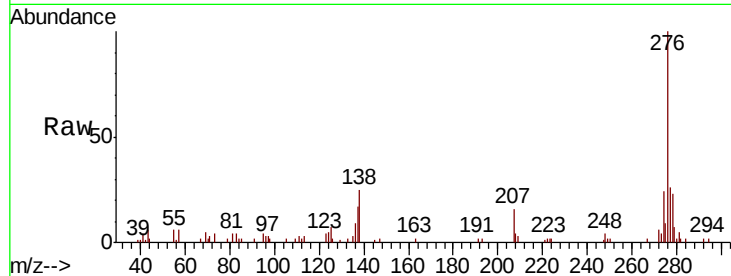




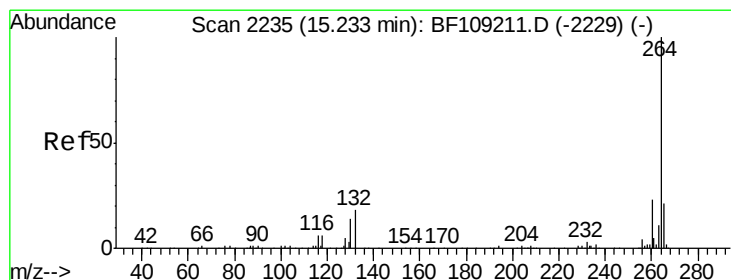
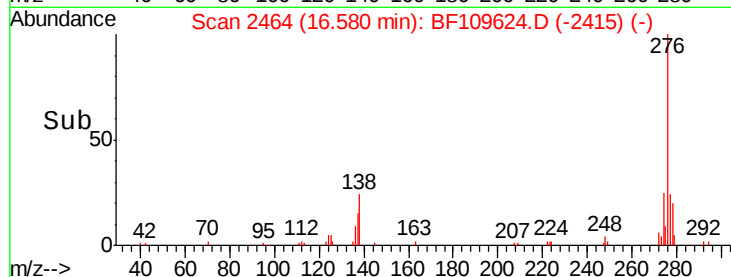
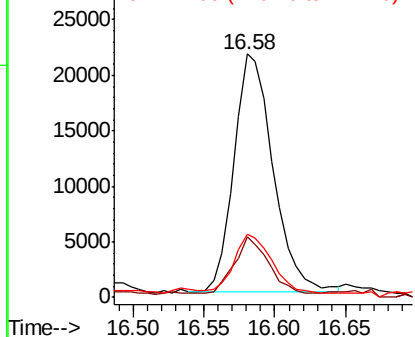
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.092 ng
 RT: 16.58 min Scan# 2464
 Delta R.T. -0.01 min
 Lab File: BF109624.D
 Acq: 5 Oct 2018 22:28

Instrument :
 BNA_F
 ClientSampleId :
 GRID14-COMP-100318

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.4	25.0	37.6#
277	24.9	20.1	30.1

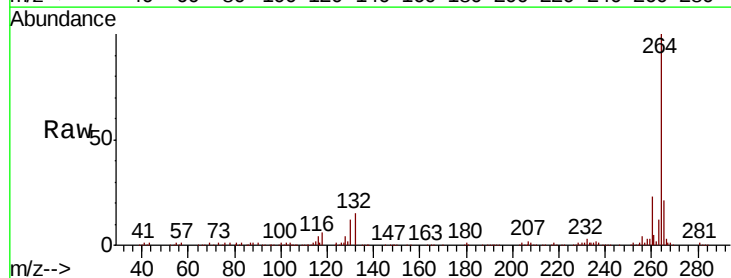


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

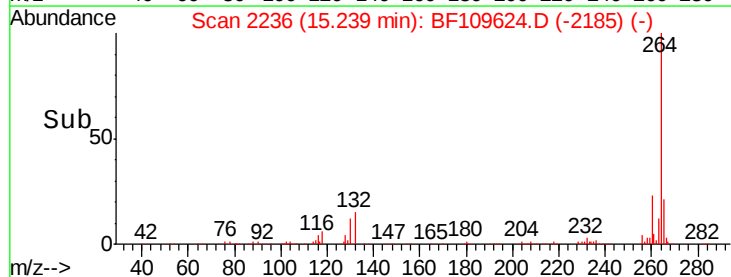
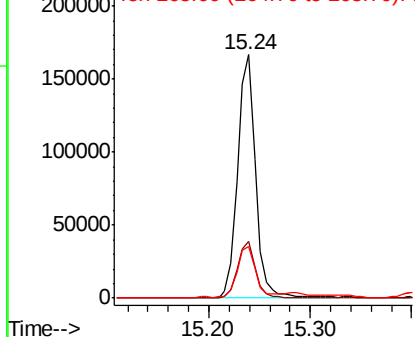


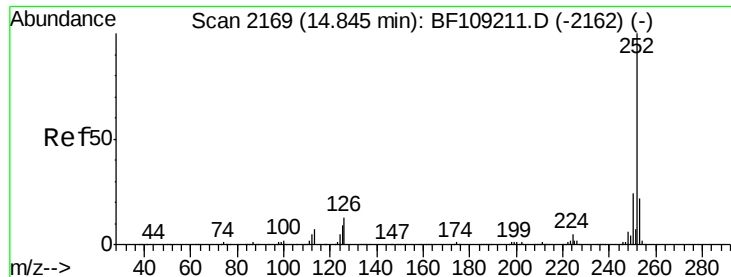
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2236
 Delta R.T. 0.00 min
 Lab File: BF109624.D
 Acq: 5 Oct 2018 22:28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.3	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 15.152 ng

RT: 14.84 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BF109624.D

Acq: 5 Oct 2018 22:28

Instrument :

BNA_F

ClientSampleId :

GRID14-COMP-100318

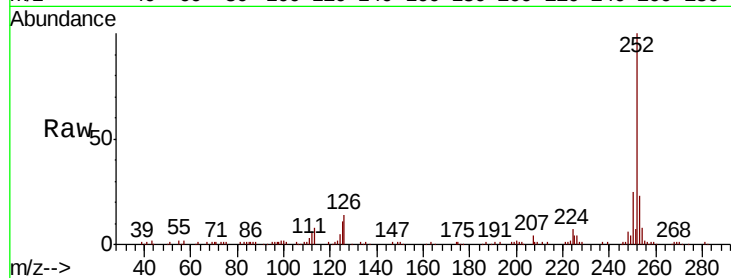
Tgt Ion:252 Resp: 171528

Ion Ratio Lower Upper

252 100

253 23.1 17.0 25.6

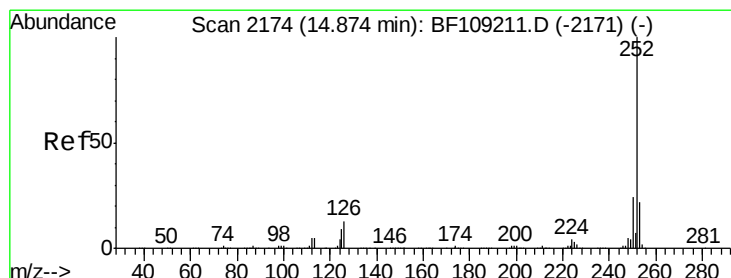
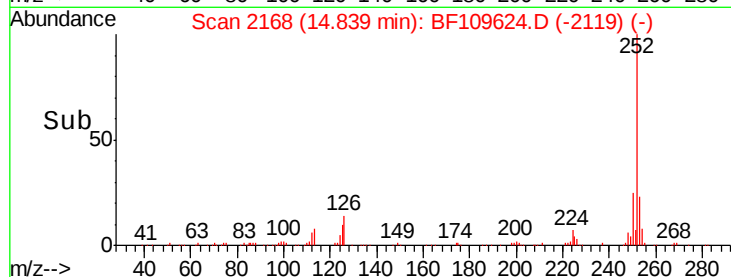
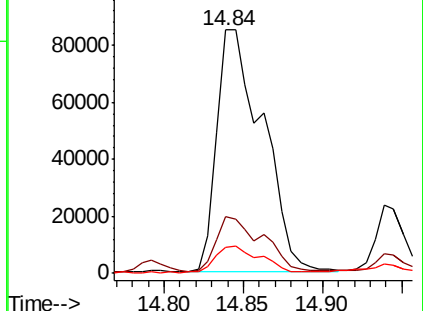
125 10.7 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 15.967 ng

RT: 14.84 min Scan# 2168

Delta R.T. -0.04 min

Lab File: BF109624.D

Acq: 5 Oct 2018 22:28

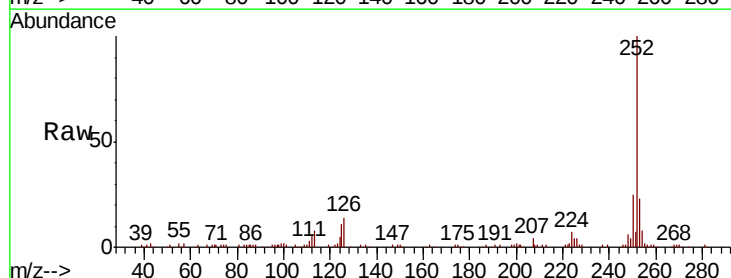
Tgt Ion:252 Resp: 171528

Ion Ratio Lower Upper

252 100

253 23.1 17.9 26.9

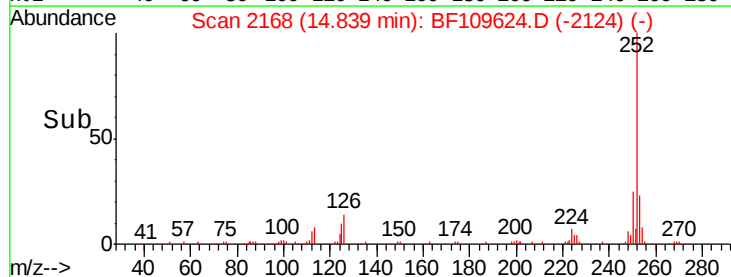
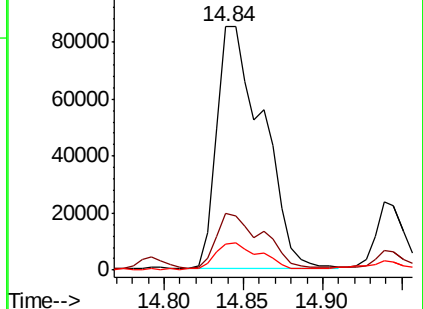
125 10.7 10.2 15.2

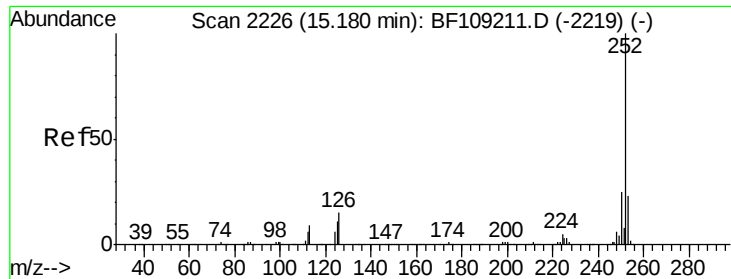


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 9.150 ng

RT: 15.17 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BF109624.D

Acq: 5 Oct 2018 22:28

Instrument :

BNA_F

ClientSampleId :

GRID14-COMP-100318

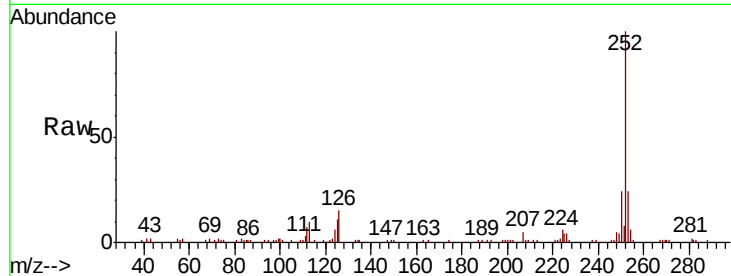
Tgt Ion:252 Resp: 93343

Ion Ratio Lower Upper

252 100

253 23.9 17.1 25.7

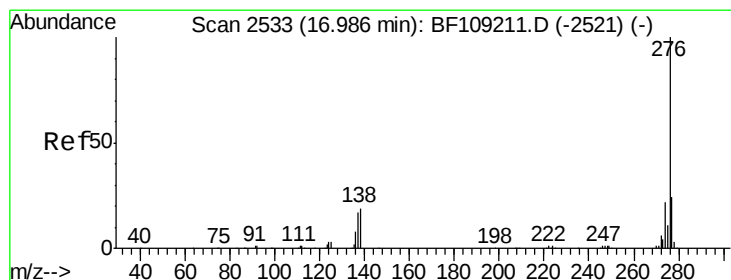
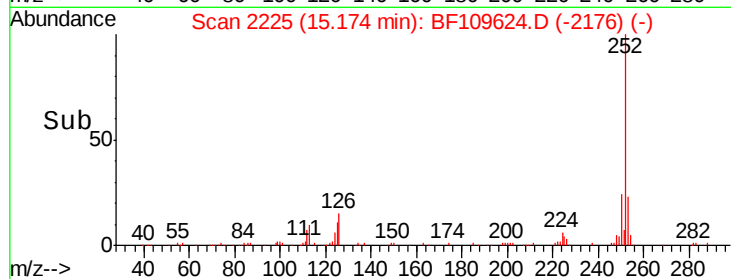
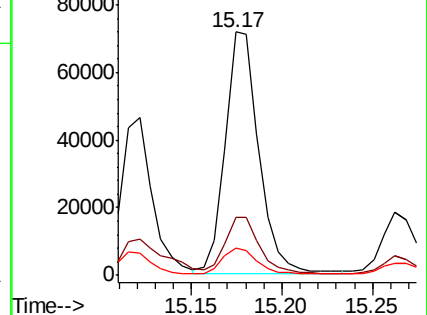
125 11.2 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 4.504 ng

RT: 16.99 min Scan# 2533

Delta R.T. -0.01 min

Lab File: BF109624.D

Acq: 5 Oct 2018 22:28

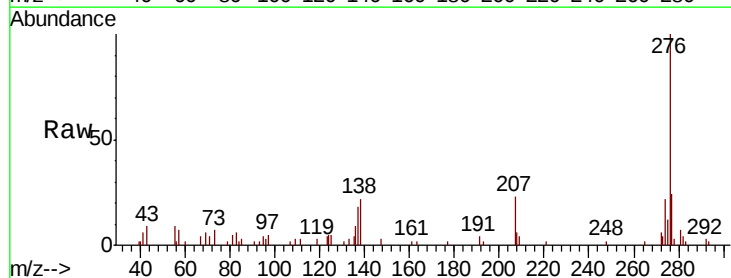
Tgt Ion:276 Resp: 37044

Ion Ratio Lower Upper

276 100

277 23.9 17.9 26.9

138 21.7 21.8 32.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

